

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An alarm system intended to trigger an alarm signal upon deviation from at least ~~two~~one environment-dependent references predetermined for a specific environment, ~~which the~~ alarm system ~~comprises~~ comprising:

at least one portable unit having a size not greater than a mobile telephone and intended to be placed in said environment, ~~which unit has a size not greater than a mobile telephone, which unit, each~~ portable unit comprising:

a sensor system for recording a normal state of the environment while in the environment, the predetermined environment-dependent reference being at least the recorded normal state of the environment, each the sensor system comprising an accelerometer/silicon crystal, microphone and temperature sensor, ~~wherein at least one of said accelerometer/silicon crystal, microphone and temperature sensor is/are being~~ triaxial,

a processor member connected to the sensor system and adapted for the comparison of signals received from the sensor system and said predetermined environment-dependent reference/~~references~~,

a communication member of a unique identity connected to the processor member and adapted for wireless communication upon, for instance, the triggering of an alarm signal, and

a positioning member connected to the processor member and adapted to indicate, at least upon the triggering of an alarm signal, the position of said unit, and

~~which alarm system furthermore comprises~~ a memory member connected to the processor member via a distributed computer network, the memory member being ~~and~~ adapted for the storage of said predetermined reference/~~references wherein the~~ ~~memory member furthermore is adapted~~ and for dynamic and interactive update and development for different purposes by manoeuvring via fixed and/or mobile telephony and/or radio and/or computer unit.

2. (Currently Amended) ~~An~~ The alarm system according to claim 1, ~~characterized in that~~ wherein each sensor system ~~furthermore~~ comprises at least one of the following sensors: frequency transmitters, strain gauges, camera, UV/photocells, electronic noses, anemometers, infrared sensors, gamma transducers, laser sensors, inductive sensors, flow sensors, level transducers, tension gauges and pressure gauges.

3. (Currently Amended) ~~An~~ The alarm system according to claim 1, ~~characterized in that~~ wherein each positioning member consists of at least one of the following units: GPS unit, GPRS unit and GSM unit.

4. (Currently Amended) ~~An~~ The alarm system according to claim 1, ~~characterized in that~~ wherein said predetermined reference ~~may~~ consists of a sound/vibration image specific to each portable unit.
5. (Currently Amended) ~~An~~ The alarm system according to claim 1, ~~characterized in that~~ wherein each unit comprises at least one basic module, as well as a protecting cover.
6. (Currently Amended) An alarm system according to claim 1, ~~characterized in that~~ wherein the memory member is adapted for continuous storage of comparisons and/or continuous storage of deviations.
7. (Currently Amended) ~~An~~ The alarm system according to claim 1, ~~characterized in that~~ wherein the memory member consists of a database.
8. (Currently Amended) A method for triggering an alarm signal by means of an alarm system ~~according to claim 1, which~~ comprised of at least one portable unit having a size not greater than a mobile telephone and intended to be placed in an environment, each portable unit comprising a sensor system for recording a normal state of the environment while in the environment, the sensor system comprising an accelerometer/silicon crystal, microphone and temperature sensor, the accelerometer being triaxial, a processor member connected to the sensor system and adapted for the comparison of signals received from the sensor system and a recorded predetermined

environment-dependent reference, a communication member of a unique identity connected to the processor member and adapted for wireless communication upon, for instance, the triggering of an alarm signal, and a positioning member connected to the processor member and adapted to indicate, at least upon the triggering of an alarm signal, the position of said unit, a memory member connected to the processor member via a distributed computer network, and for dynamic and interactive update and development for different purposes by manoeuvring via fixed and/or mobile telephony and/or radio and/or computer unit , the method comprising the steps of:

- by means of the sensor system, detecting different states comprising vibrations, relative position changes, accelerations and temperature, wherein ~~at least one of said states is~~ said accelerations are detected against three axes;
- comparing the signals received from the sensor system and at least ~~two~~ one environment-dependent references predetermined for a specific environment and stored in the memory member, the predetermined environment-dependent reference being at least the recorded normal state of the environment, ;
- upon deviation from said environment-dependent reference/~~references~~, triggering an alarm signal; and
- according to instantaneous control or predetermined configuration, by means of the communication member of a unique identity, transmitting a message to at least one receiver; and
- according to instantaneous control or predetermined configuration, by means of the positioning member, determining the position of the unit;
- transmitting the position to the at least one receiver/~~receivers~~; and

- ~~to~~ dynamically and interactively ~~update~~ updating and developing said memory member for different purposes by manoeuvring via fixed and/or mobile telephony and/or radio and/or computer unit.

9. (Currently Amended) The method according to claim 8, ~~characterized in that~~ wherein the detection step comprises:

- ~~the detection of the~~ detecting different states by means of an accelerometer/silicon crystal, microphone and temperature sensor.

10. (Currently Amended) The method according to claim 9, ~~characterized in that~~ wherein the detection step ~~furthermore~~ comprises:

- ~~the further detection of~~ detecting different states by means of the following sensors: frequency transmitters, strain gauges, camera, UV/photocells, electronic noses, anemometers, infrared sensors, gamma transducers, laser sensors, inductive sensors, flow sensors, level transducers, tension gauges and pressure gauges.

11. (Currently Amended) The method according to claim 8, ~~characterized in that~~ wherein the positioning step comprises:

- ~~the determination of~~ determining the position by means of at least one of the following units: GPS unit, GPRS unit and GSM unit.

12. (Currently Amended) The method according to claim 8, ~~characterized in that~~
wherein the method further~~more~~ comprises the step of:

- registering₁ and in the memory member₁ storing the reference/~~references that~~
~~may~~which consists₁ of a sound/vibration image specific to each unit.

13. (Previously Presented) At least one computer software product directly
downloadable in the internal memory of at least one digital computer, comprising
software code portions for executing the steps according to claim 8 when said at least
one product is run on said at least one computer.

14. (New) The alarm system according to claim 1, wherein the state comprises at
least one of vibrations, relative position changes or accelerations.

15. (New) The alarm system according to claim 1, wherein the predetermined
environment-dependent reference is default settings for the portable unit supplemented
by the recorded normal state of the environment.

16. (New) The alarm system according to claim 1, wherein the sensor system is
comprised of a plurality of different environment-dependent sound/vibration sensors.